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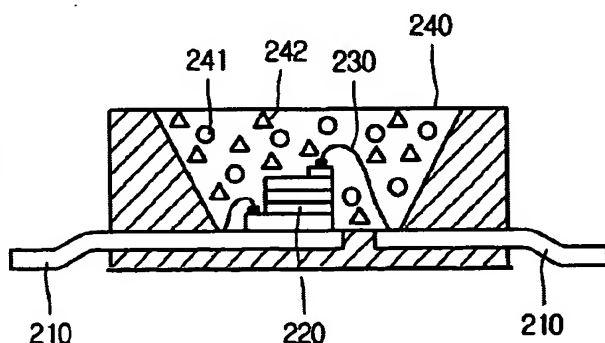
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(54) Title: PHOSPHOR AND LIGHT EMITTING DEVICE USING THE SAME



(57) Abstract: There are provided a phosphor and
a light emitting device using the same, wherein in
order to embody a desired wavelength of light, in a
state where a first phosphor and a second phosphor
are mixed in a light transmitting member, both of
light excited by an excitation light source and the
excitation light source are emitted to the outside
and embody a white light source. Further, the first
phosphor has a chemical formula of $\text{Sr}_{4-x}\text{MgYBaZ}$
 $\text{Si}_2\text{O}_8:\text{EuX} \cdot 2\text{H}_2\text{O}$ ($0 < x < 1$, $0 < y < 1$, $0 < z < 1$)
and the second phosphor has a chemical formula of
 $\text{Sr}_{3-x}\text{SiO}_5:\text{Eu} + x$ ($0 < x < 1$).